

Fig 2

10

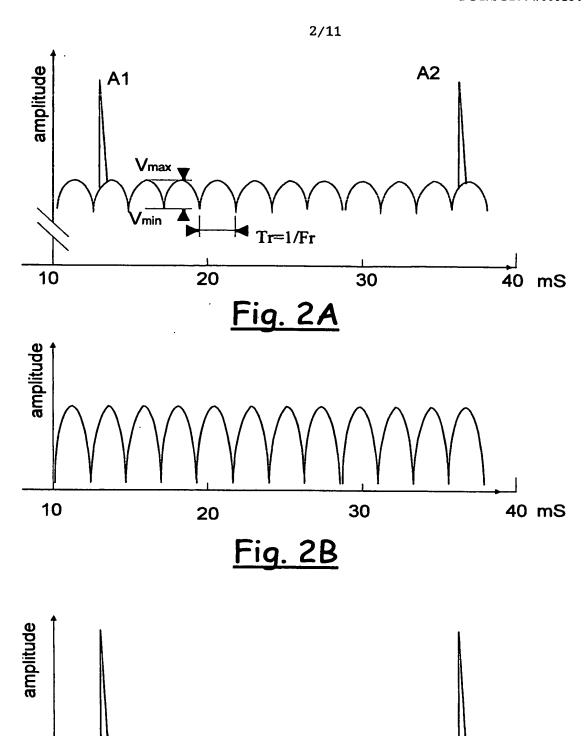


Fig. 2C

30

40 mS

20

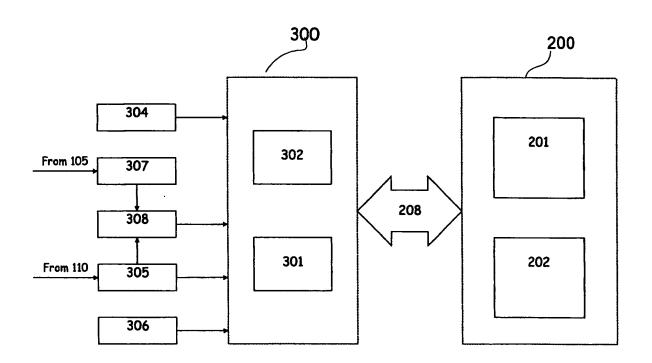


Fig 3

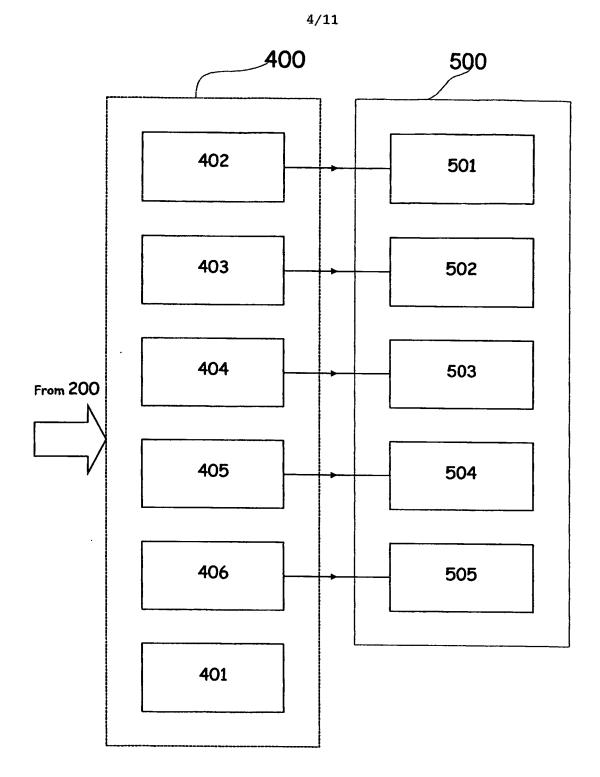


Fig 4

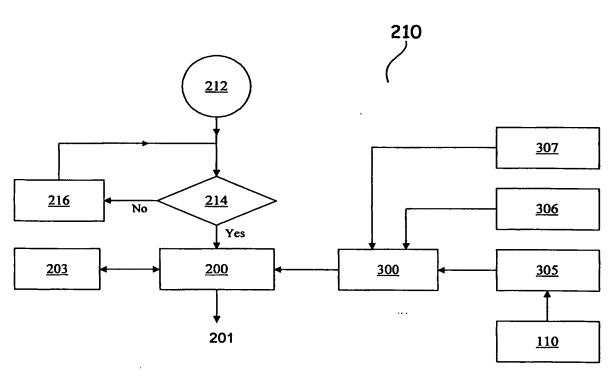


Fig 5

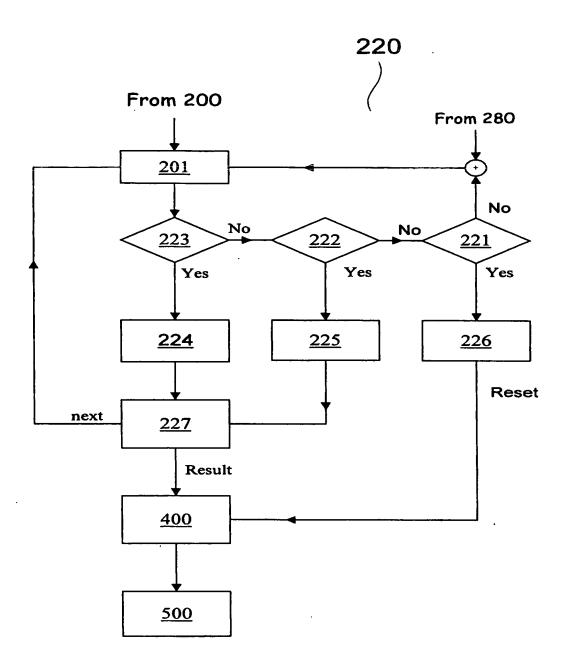


Fig-6

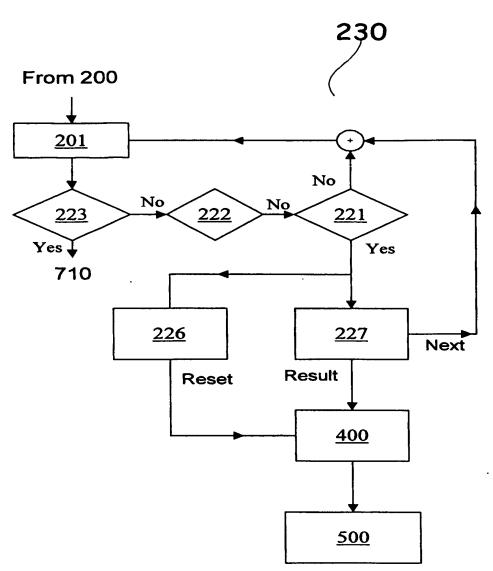


Fig 7

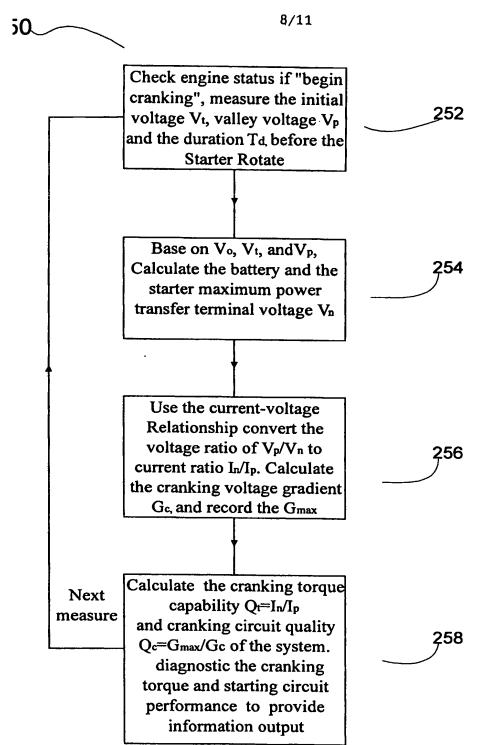


Fig 8

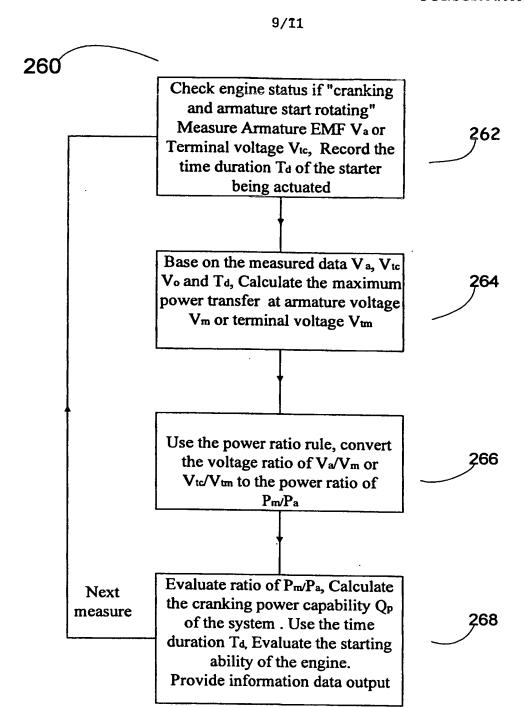


Fig 9

WO 2004/113943

PCT/SG2004/000164

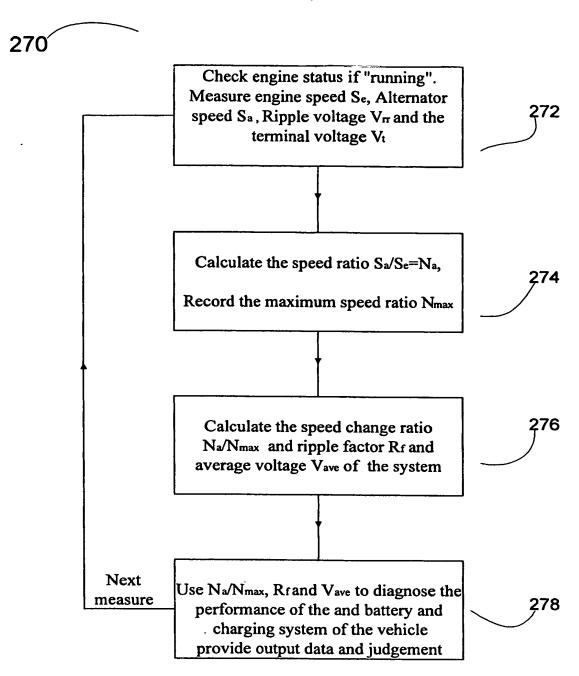


Fig 10

11/11

280 Check engine status if "Se>0, and 282 S_a=0 or ripple=0", Measure the terminal voltage Vt and the time t record the voltage and time correspondingly Confirm the alternator not function Calculate the voltage change rate 284 $Y=(V_{t0}-V_{t1})/t$ lets t=60sec and update Y every 10 sec Calculate the remnant time X=(Vt-BVo)/Y determine the time 286 in Min or Hour remnant operation of the system Diagnose X data 288 Provide output data of the evaluated judgement message.

Fig 11